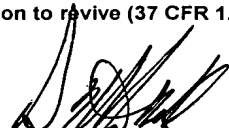


TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 4041J-919/NP
INTERNATIONAL APPLICATION NO. PCT/JP03/12175		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/523352
INTERNATIONAL FILING DATE 24 September 2003 (24.09.2003)	PRIORITY DATE CLAIMED 25 September 2002 (25.09.2002)	
TITLE OF INVENTION START SIGNAL OUTPUTTING CIRCUIT		
APPLICANT(S) FOR DO/EO/US MIZUNO, Kazuo, et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11 to 20 below concern document(s) or information included:</p> <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Express Mail Trans. (EV 570 159 543 US); check for \$1,000, English Translation of Formal Drawings (10 pgs); Form HDP 1449 w/ISR & 11 cited references, Published Intn'l App. WO 2004/030205, Return Postcard 		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold;">10/523352</div>		INTERNATIONAL APPLICATION NO. PCT/JP03/12175		ATTORNEY'S DOCKET NUMBER 4041J-919/NP											
21. The following fees are submitted: <input checked="" type="checkbox"/> a) Basic national fee..... \$300.00 <input checked="" type="checkbox"/> b) Examination fee..... \$200.00 <input checked="" type="checkbox"/> c) Search fee..... \$500.00 <div style="text-align: right; font-weight: bold;">TOTAL OF ABOVE CALCULATIONS = \$1000.00</div>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">Applicant use</th> <th style="width:50%;">Office use only</th> </tr> <tr> <td>\$ 300.00</td> <td></td> </tr> <tr> <td>\$ 200.00</td> <td></td> </tr> <tr> <td>\$ 500.00</td> <td></td> </tr> <tr> <td>\$ 1,000.00</td> <td></td> </tr> </table>		Applicant use	Office use only	\$ 300.00		\$ 200.00		\$ 500.00		\$ 1,000.00	
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<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.															
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE												
27 - 100 =	-73 /50 =		x \$250.00												
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">0.00</td> </tr> </table>		\$	0.00								
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CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE												
Total claims	15 - 20 =	0	x \$50.00	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">0.00</td> </tr> </table>		\$	0.00								
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Independent claims	2 - 3 =	0	x \$200.00	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">0.00</td> </tr> </table>		\$	0.00								
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MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">0.00</td> </tr> </table>		\$	0.00								
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TOTAL OF ABOVE CALCULATIONS =				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">1,000.00</td> </tr> </table>		\$	1,000.00								
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<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">0.00</td> </tr> </table>		\$	0.00								
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Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">0.00</td> </tr> </table>		\$	0.00								
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Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">40.00</td> </tr> </table>		\$	40.00								
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TOTAL FEES ENCLOSED =				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">1,040.00</td> </tr> </table>		\$	1,040.00								
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Amount to be refunded:				<div style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); width: 100px; height: 40px; margin: 0 auto;"></div>											
Amount to be charged				<div style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); width: 100px; height: 40px; margin: 0 auto;"></div>											
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1,040.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>08-0750</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p>															
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SEND ALL CORRESPONDENCE TO:</p> <p>H. Keith Miller</p> <p>HARNESS, DICKEY & PIERCE, P.L.C.</p> <p>P. O. BOX 828</p> <p>Bloomfield Hills, MI 48303</p> <p>United States of America</p> </div> <div style="width: 45%; text-align: center;"> <div style="font-size: 1.5em; margin-bottom: 5px;">  </div> <div style="border-top: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <div style="font-size: 0.8em; margin-bottom: 5px;">SIGNATURE</div> <div style="border-top: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <div style="font-size: 0.8em; margin-bottom: 5px;">H. Keith Miller</div> <div style="border-top: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <div style="font-size: 0.8em; margin-bottom: 5px;">NAME</div> <div style="border-top: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <div style="font-size: 0.8em; margin-bottom: 5px;">22,484</div> <div style="border-top: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <div style="font-size: 0.8em; margin-bottom: 5px;">REGISTRATION NUMBER</div> <div style="border-top: 1px solid black; width: 100%; margin-bottom: 5px;"></div> <div style="font-size: 0.8em; margin-bottom: 5px;">Dated: January 28, 2005</div> </div> </div>															

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Express Mail No.: EV 570 159 543 US

Date of Deposit: 28 January 2005

Application No.: Not yet assigned – 371 of PCT/JP03/12175

International
Filing Date: 24 September 2003

Applicant: MIZUNO, Kazuo, et al.

Title: START SIGNAL OUTPUTTING CIRCUIT

Attorney Docket: 4041J-919/NP

Mail Stop PCT
Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

EXPRESS MAIL TRANSMITTAL

The following papers are being deposited with the United States Postal Service Express Mail Post Office To Addressee on 28 January 2005 and addressed for receipt by the United States Patent and Trademark Office:

1. Express Mail Transmittal (Label No. EV 570 159 543 US);
2. Check in the amount of \$1,040.00;
3. Transmittal Letter to the US Designated/Elected/Office Concerning a Filing Under 35 USC 371 (2 pages, in duplicate);
4. Application Data Sheet (4 pages);
5. English Translation of International Application (27 pages);
6. English Translation of Formal Drawings (10 pages);
7. Signed Declaration and Power of Attorney (4 pages);
8. Preliminary Amendment (10 pgs) w/ drawing sheets (2 pgs);
9. Assignment Recordation Cover Sheet and Assignment (2 pages);
10. IDS w/ Form 1449, ISR and 11 cited references;
11. Copy of Published International Application WO 2004/030205; and
12. Return Postcard.

HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600


Susan McGaw